

## REMARKS

Claims 1-25 are pending in the application.

In response to the Office Action dated March 10, 2005, Applicants have amended Claims 1, 5, and 9. Claims 5 and 9 have been amended to correct minor informalities only. Applicants thank the Examiner for guidance in the same.

Claim 10 has been cancelled.

Claims 12-25 are newly added, are well supported in the specification, and present no new matter.

Applicants submit that the claims are in condition for allowance.

### *Claim Objections*

The Examiner has objected to Claim 1 because of the use of “standoff” in line 2 and “stand-off” in line 3. Claim 1 has been amended to address this informality.

### *Claim Rejections - 35 U.S.C. § 103*

On page 2 of the Office Action, Claims 1-11 are rejected under 35 U.S.C. § 103(a) as being unpatentable by U.S. Patent 5,191,709 to Kawakami et al. (“Kawakami”) in view of U.S. Patent 6,098,282 to Frankeney et al. (“Frankeney”).

Claims 1-11 are rejected throughout the Office Action as unpatentable over Kawakami in view of Frankeney, and in further combination two other references, namely Kenichiro et. al, and Steijer. These rejections are respectfully traversed for the reasons set forth below.

### Claim 1

The Office Action expressly admits that the Kawakami reference does not teach an etched hole-fill stand-off. (Page 5, Lines 19-20). Rather, the Office Action relies on the

### **AMENDMENTS TO THE DRAWINGS**

Please replace the original drawings with formal drawings enclosed herewith in the Appendix. No new matter is being introduced with these drawings.

combination of Kawakami with Frankeny to infer the teaching of an etched hole-fill stand-off as in the present application.

The Office Action characterizes the capacitor board layer disclosed in Frankeny as something that can be used as a stand-off. Applicants respectfully disagree.

The capacitor board layer in Frankeny comprises one metallic sheet 26 and a crystalline film layer 29 (column 6, lines 4-5). Thus, the capacitor layer disclosed in Frankeny does not comprise two copper sheets, one etched and the other non-etched as disclosed in the present application.

Combining Kawakami with Frankeny in the manner suggested by the Office Action would not be obvious to one of ordinary skill, not only because using the capacitor board layer disclosed in Frankeny as a stand-off might have adverse electrical effects on the printed wiring board. But also because the openings made through the capacitor core sheet and the dielectric 6 form holes 37 and 38 which transverse through the entire depth of the capacitor board (See Fig 19) rendering a completely perforated stand-off.

Thus, this combination would not teach an etched hole-fill stand-off comprising a copper clad laminate having a dielectric layer laminated between a first and a second copper layer wherein at least one hole of the stand-off is etched through the first copper layer only.

Therefore, if used as a stand-off, the capacitor layer would not function as the stand-off as disclosed in the present application.

For at least the aforementioned reasons, a combination of Kawakami and Frankeny would not render Claim 1 obvious. Claims 2-4 and 8 depend on claim 1. Therefore claims 2-4 and 8 would not be render obvious by Kawakami in view of Frankeny. Applicant respectfully requests that the rejection to Claims 1-4 and 8 be withdrawn.

Claims 5, 6 and 7 depend on claim 1. The addition of Kenichiro and Steijer in combination with Kawakami in view of Frankeny to reject claims 5, 6 and 7 do not remedy the basic deficiencies of Kawakami in view of Frankeny with respect to the essential aspects of the

invention as recited in the claims. Accordingly, Applicants request that the rejections to claims 5, 6, and 7 be withdrawn.

#### Claim 9

Claim 9 teaches an etched hole-fill stand-off comprising a copper clad laminate having a dielectric layer laminated between a first and a second copper layer wherein at least one hole of the stand-off is etched through the first copper layer only. As discussed above, the combination of Kawakami in view of Frankeney does not teach that only the first copper layer of the stand-off is etched. Furthermore, a combination with Kenichiro would not cure the deficiencies of Kawakami in view of Frankeney. Therefore, claim 9 would not be render obvious by Kawakami in view of Frankeney in further view of Kenichiro. Claim 11 depends on claim 9. Accordingly, Applicants request that the rejection to claims 9 and 11 be withdrawn.

#### *New Claims*

Claims 12-25 are new claims that simply further define the invention and yet present no new matter. Additionally, all of the elements of Claims 12-25 are well supported in the original as-filed application. In particular, independent Claim 12 is supported in page 2, lines 25-28. Independent claim 19 is supported in page 2, lines 19-23 and in claim 1.

Claims 12 and 19 also teach an etched hole-fill stand-off having a first copper layer being etched. Therefore, Kawakami in view of Frankeney would not render claims 12 or 19 or any independent claim thereof.

#### *Conclusion*

Applicants have complied with all requirements made in the above referenced communication. Accordingly, applicants respectfully request that a timely Notice of Allowance be issued in this case. Should matters remain, which the Examiner believes could be resolved in a telephone interview, the Examiner is requested to telephone the Applicants' undersigned agent.

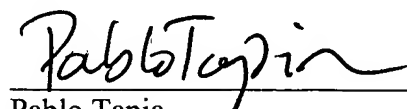
**Fee Calculation:**

Extra Claim Fees		Extra Claims		Fee	
Total Claims	25 - 20 = 5	x	\$ 50.00	=	\$ 250.00
Independent Claims	4 - 3 = 1	x	\$ 200.00	=	\$ 200.00
Multiple Dependent Claim			\$ 180.00	=	\$ 0.00
Subtotal					\$ 450.00
Additional Fees					
Surcharge – late filing fee					\$ 0.00
Extension for reply within the _____ month					\$ 0.00
Information Disclosure Statement (IDS)					\$ 0.00
Subtotal					\$ 0.00
TOTAL AMOUNT OF PAYMENT					\$ 450.00

The Director is authorized to charge \$450.00 and any additional fee(s) or any underpayment of fee(s), or to credit any overpayments to Deposit Account Number 50-2638, Deposit Account Name Greenberg Traurig, LLP. Please ensure that Attorney Docket Number 47406-012500 is referred to when charging any payments or credits for this case.

Respectfully submitted,

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